

**What is claimed is:**

1. A lie-down massager, comprising:

- a) a base frame having an elongated top panel,  
wherein an elongated top opening is formed  
centrally and lengthwise through the elongated  
top panel;
- b) a rider provided below the elongated top panel  
of the base frame;
- c) a guide member movably engaged between the base  
frame and the rider so as to enable the rider  
to make a horizontally reciprocal movement  
relative to the base frame;
- d) a lifter;
- e) one or more air shock absorbers; and
- f) massage bumps attached on the lifter via the  
air shock absorbers and moved by the lifter  
vertically and/or horizontally along the  
elongated top opening of the elongated top  
panel of the base frame.

2. The lie-down massager of claim 1 further comprising  
a pad covering the massage bumps and the elongated  
top opening of the base frame.

3. The lie-down massager of claim 1 wherein the massage bumps are partitioned to first and second pairs, wherein the first pair bumps are aligned parallel to the second pair bumps.

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4. The lie-down massager of claim 3 further comprising:

- a) first and second bump holders propping and maintaining the first and second pair bumps above the top plate of the lifter, wherein the first and second bump holders are tapered toward each lower end thereof; and
- 10 b) a first engagement member to rockingly engage the lower ends of the bump holders to the top plate of the lifter.

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5. The lie-down massager of claim 4 further comprising a second engagement member to rollingly engage the massage bumps thereto.

- 20 6. The lie-down massager of claim 4 wherein the massage bumps are roller balls.

7. The lie-down massager of claim 6 wherein the roller balls are formed of jade.

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8. The lie-down massager of claim 1 wherein each of the  
massage bumps includes a heater.

9. The lie-down massager of claim 8 wherein the heater  
5 is a heating lamp generating heat and infrared rays.

10. The lie-down massager of claim 1 wherein the guide  
member comprises:

a) one or more roller gear engaged to and powered  
10 by a roller gear motor, wherein the roller gear  
motor is fixed to the rider; and

b) one or more side rack gears parallel to each  
other and provided lengthwise in the base  
frame;

15 wherein the roller gears are rollably connected to  
the rider and rotatably mounted on the side rack  
gears.

11. The lie-down massager of claim 1 wherein the guide  
20 member comprises:

a) rider guide rollers provided on each side of  
the rider, wherein the rider guide rollers are  
rollably engaged to the base frame to guide a  
horizontally reciprocal movement of the rider;

b) a pair of pulleys linked by a rope and  
respectively mounted in a front end portion and  
a rear end portion of the base frame, wherein a  
predetermined portion of the rope is fixedly  
5 attached to the rider so that the pulley  
rotation enables the rider to generate a  
horizontally reciprocal movement of the rider.

12. The lie-down massager of claim 11 wherein the  
10 pulleys are relatively twisted by 90 degrees against  
each other.

13. The lie-down massager of claim 1 further comprising:  
a) a pair of roller coasters parallel to each  
15 other, wherein the roller coasters are attached  
to the base frame, wherein each of the roller  
coasters has a substantially waved top surface;  
and  
b) coaster guide rollers formed outwardly  
20 extending from each side of the lifter, wherein  
the coaster guide rollers enable the lifter to  
make a roller coasting movement on and along  
the waved top surfaces of the roller coasters.

14. The lie-down massager of claim 13 wherein each of the waved top surfaces of the roller coasters substantially forms a curvature of a human spinal cord.
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15. The lie-down massager of claim 13 wherein the lifter further comprises a plurality of elongated guides extending downward from the lifter, and the rider further comprises a plurality of guide bushes
- 10 upwardly formed on the rider to releasably receive the elongated guides so as to stabilize the roller coasting movement of the lifter along the roller coasters.
- 15 16. The lie-down massager of claim 15 wherein the elongated guides are shaped in pins.
17. The lie-down massager of claim 1 wherein the lifter comprises a top plate, a bottom plate, a vertical
- 20 actuator that moves the top plate up and down.
18. The lie-down massager of claim 17 further comprising a massage plate, wherein the massage bumps are installed on the massage plate, and the air shock

absorbers are vertically installed between the  
massage plate and the top plate.

19. The lie-down massager of claim 18 wherein each of  
5 the air shock absorbers has a hollow cylinder, a  
plunger that is moved reciprocally in the cylinder,  
a shaft fixed to the plunger and protruding out of  
the cylinder and a bracket, wherein the free end of  
the shaft is shaped as a ball, and the bracket has a  
10 semi-spherical recess so that so that the end of the  
shaft and the recess of the bracket form a ball and  
socket joint, and wherein the cylinder is fixed to  
the top plate, and the bracket is fixed to the  
massage plate.

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20. The lie-down massager of claim 19 wherein the number  
of the air shock absorbers is four, wherein the top  
plate is rectangular, and wherein the air shock  
absorbers are positioned near the four corners of  
20 the top plate.

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